ZWCAD2008i
User Guide

ZWCAD

Reliable CAD for 2D&3D Design

About ZWSOFT

ZWSOFT is located in Guangzhou, China. It is committed to providing the most reliable and cost-effective CAD solutions. Our products meet the needs of users across the 2D/3D design industry.

ZWSOFT has advanced technology collaborations with many well-known organizations worldwide, such as Microsoft, Intel, Spatial, as well as university research institutes. It is a commercial and board member of the ITC (IntelliCAD Technology Consortium), and the founding member of ODA (Open Design Alliance).

With its quality products and excellent service, ZWCAD is fast becoming the leading brand in the country, and is now proving competitive in over 65 countries, with more than 100,000 users throughout the world. Our products have provided not only a cost-effective solution for SMEs (Small and Medium-sized Enterprises) and individual designers, but have also earned a high reputation in many world-famous corporations, including Honda, Alcatel-Lucent, CIMS, GP, THORN, GE, among others.

Preface

Dear ZWCAD users:

Thank you for choosing ZWCAD 2008i. ZWCAD is designed for anyone who wants a fast and efficient CAD program with powerful drafting features at an affordable price. Using today's most advanced technology, ZWCAD integrates the Microsoft Windows platform with a robust, all-purpose CAD engine. The update of ZWCAD 2008i contains substantial performance improvements as well as some new features. Processing speed during operation of Copy, Move, Rotate, Mirror, Scale, Array, Wblock, and Copyclip have been increased by at least 100%. And, our additions to APIs lets you develop your own applications even more easily.

This manual contains comprehensive instructions for installation, licensing, registration, upgrade methods, and service and support of ZWCAD 2008i. We hope this introduction would help you gain quick proficiency in ZWCAD 2008i.

Thank you for your support!

ZWCAD Software Co., Ltd.

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3 Product List

This package includes the following items; please check. If there is any omission or damage, please contact your local reseller immediately.

- ZWCAD2008i CD
- ZWCAD Dongle
- User Guide

4 Features

4.1 ZWCAD Features

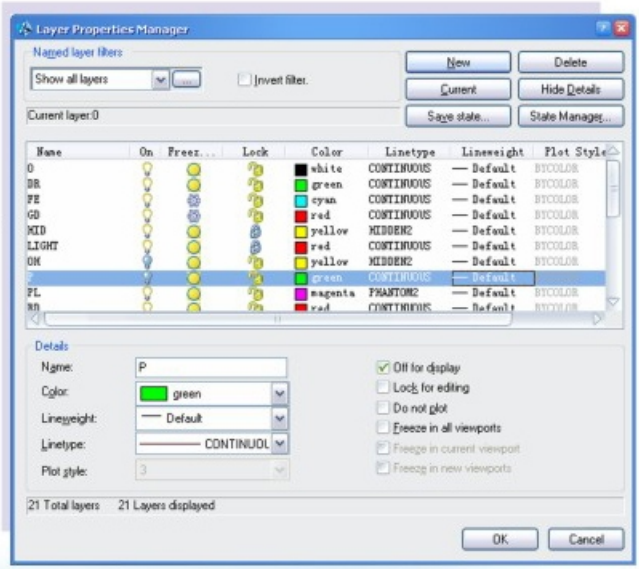
(1) Unrivaled AutoCAD® Compatibility

- Native DWG/DXF format, support AutoCAD® from 2.5 to 2008
- AutoCAD® command line support
- Export to BMP, WMF, EMF, SVG, DWF, EPS, PDF & SAT format
- Support of AutoCAD® Commands, Menus (.mnu), Toolbars & Aliases (.pgp)
- Windows TTF Fonts & SHX Fonts compatibility
- Raster Image capabilities
- Support of AutoCAD® Linetypes (.lin), Hatch Patterns (.pat), Slides (.sld) & Units Files (.unt)
- Support to.CTB Plot Style

(2) Friendly UI

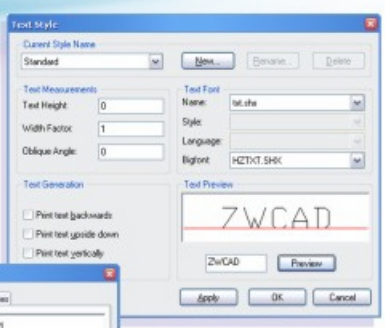
- Layer Properties Manager

This feature is similar to the AutoCAD® interface for layer management to freeze or thaw, lock or unlock, and modify layer properties.



Text Style Manager

Each use of text in a drawing has a text style associated with it. When you create texts, the program uses the current text style, which includes the font, size, oblique angle, orientation, and so on. If you want to create texts using a different text style, use Text Style Manager to change the current style.



Dimension Style Manager

Dimension Style Manager controls the appearance of your dimensions. You can save these settings in dimension styles to re-use in the same drawings.

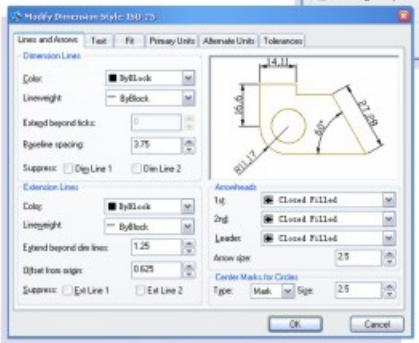
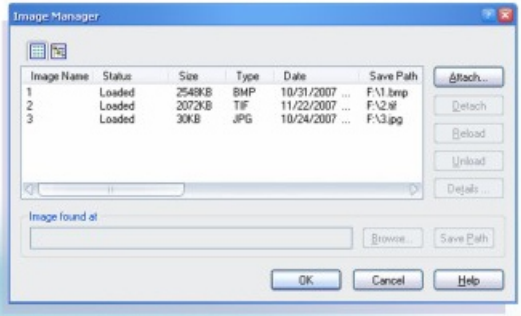


Image Manager

Image Manager lists all the image files attached to the current drawing. It displays image details such as pixel width, color depth, and resolution. It can attach new image files as well as detach, locate, reload, and unload attached images.



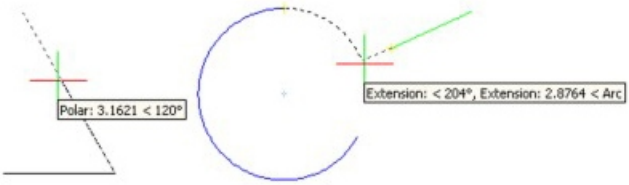
Reference Manager

With Reference Manager, you can attach, overlay, list, bind, detach, reload, unload, rename, and modify paths to external references (xrefs) in the current (or host) drawing.

(3) Productivity Tools

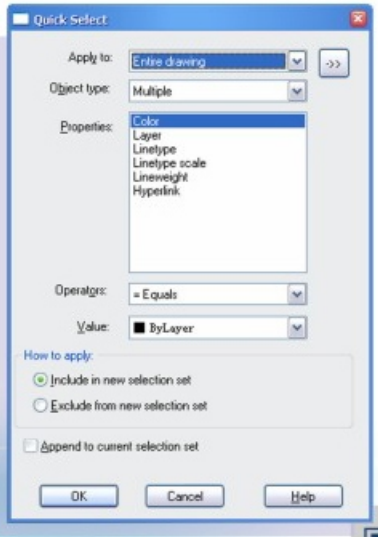
◆ Polar Tracking & Entity Snap Tracking

Polar Tracking and Object Snap Tracking help you draw objects at specific angles or in specific relationships to other objects. When you turn on Polar Tracking and Object Snap Tracking, temporary alignment paths help you create objects at precise positions and angles.



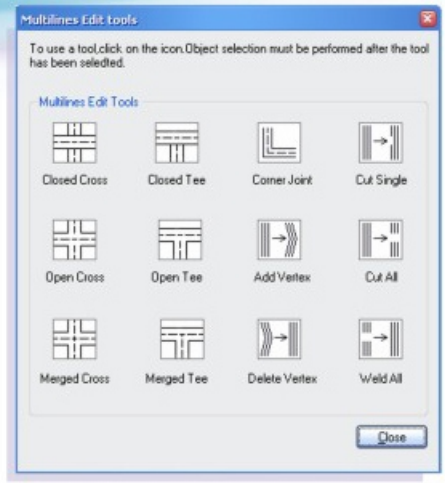
◆ Quick Select

Quick Select specifies the filtering criteria to automatically generate a selection set. You can choose object properties or object types in order to include or exclude objects in your selection.



- **Mline and Mline Edit**

  With Multiple Line and Multiple Line Edit function, you can create or edit multiple parallel lines all at once.



- **ActiveX Support, Including In-Pplace Editing**

  ZWCAD provides In-Place Editing of graphic objects originally created in Microsoft Word, Microsoft Excel, or other Office applications.

- **Quick Dimension**

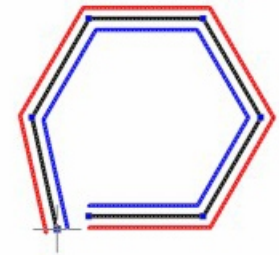
  With the Quick Dimension function, you can quickly create or edit an entire series of dimensions. It is particularly useful for creating a series of baseline or continued dimensions, or dimensioning a series of circles and arcs.

- **Express Tools**

  ZWCAD's Express Tools contains a library of productivity tools designed to help you extend the power of ZWCAD. They can be easily integrated into your menus and toolbars, and cover a wide range of ZWCAD functions.

- **LISP, VBA, SDS and DRX Support**

  With a wide range of programming interfaces, you can choose the most efficient way to develop your custom applications.



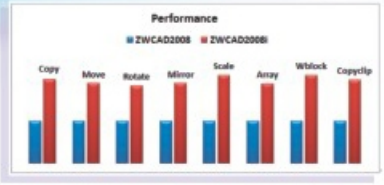
Key Features in ZWCAD2008i

4.2 Key Features in ZWCAD 2008i

1 Performance Improvements

(1)Faster Editing Actions

ZWCAD response to modification commands (such as Copy, Move, Rotate, Mirror, Scale, Array, Wblock, and Copyclip) is considerably faster.



- The performance of Copy/Move/Rotate/Mirror/Scale/Array/Wblock/ Copyclip has been increased about 100%

(2)Reconstruction of the TEXT Function

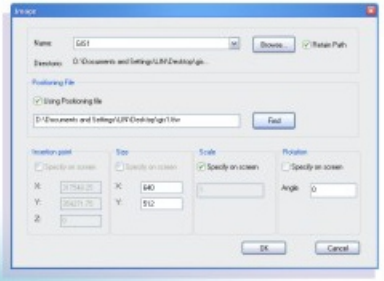
The text function has been reconstructed using Unicode. Now text displays more accurately, especially when it loads from a different DWG code page.

2 Gradient Hatch

Along with many improvements to hatch editing in the 2008 version of ZWCAD, 2008i goes further by allowing you to make one or two color gradients.

3 Image Function with TFW Coordinate File

Now you can align TIFF/TIF images according to a .tfw coordinate file, lining up reference images accurately with the coordinate units of your project.



4 Expanded DRX

An addition to the DRX programming interface in ZWCAD2008, the new Custom Object function makes developing custom applications easier.

Installation of ZWCAD2008i

5 Installation of ZWCAD2008i

<1> ZWCAD System Requirements:

Operating system	Microsoft Windows 2000 ; Microsoft Windows XP; Microsoft Windows 2003 ; Microsoft Windows Vista
Application	Microsoft .Net Framework 2.0 or Microsoft Visual C++ 2005 Redistributable (except Windows 2000). If you cannot start ZWCAD in your system, please install one of the above. The setup file is in the Support folder on the CD: Support\Vcredist.msi : Microsoft Visual C++ 2005 Redistributable Support\dotnetfx\install.msi : Microsoft .Net Framework 2.0
Processor	Pentium III 800 Mhz or above
RAM	512 MB or above (recommended)
Video	1024 x 768 VGA with True Color (minimum)
Hard disk	300 MB
Pointing device	Mouse, trackball or other device
CD-ROM	Any speed (for installation only)

<2> There are two types of licenses: Individual Stand-Alone License and Network Floating License. The only difference between them is the method of License Code registration. Before installation and registration, please confirm your license type.

<3> Installation Steps

◆ Stand- Aalone Version

1. On the AUTORUN page, click **install ZWCAD 2008i**.
2. On the ZWCAD 2008i setup page, click **Next**.
3. On the License Agreement page, read the license agreement and then click **I Agree**. If you do not agree to the terms and conditions, click **Cancel** to quit the installation.
4. On the License type page, choose **Individual stand-alone license**, and then click **Next**.
5. On the Choose Install Location page, either accept the default destination folder or click **Browse** to specify a different location. If you enter a path that does not exist, a new folder will be created using the name and location you provide.
6. Click **Install** to start installation.
7. Click **Finish** to complete the installation.

◆ Network Version

1.Install the software on Clients following the steps of Stand-Alone version, except choose **network license** at step 4.

2. Install ZWCAD Network License Server on the Server.

Note: For detailed information of installation, please visit our official website **(www.zwcad.org)** or refer to the CD.

<4> Registration

◆ Stand-Alone Version

1.Plug in the dongle, or authorization hardware, and launch ZWCAD 2008i. Choose **Help** on the menu bar, then choose **License** to open the License dialogue box to get the 8-digit Product ID.

2. Contact your local dealer where you purchased ZWCAD. Ask for the license code for your ZWCAD 2008i with the 8-digit Product ID.

License dialog box

3. Fill in the License Code for ZWCAD 2008i in the License dialog box. Then click REGISTER to register. The prompt shown below confirms that you have registered successfully.

Confirmation of Successful Registration

◆ Network Version

On Clients

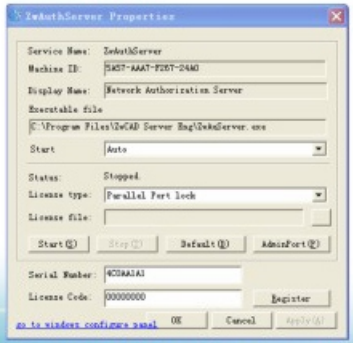
1. Choose **Help** on the menu bar, and choose **License** to open the License dialogue box. Select **Enable net license** option and fill in the Server IP.
2. Click **OK**.

On the Server

1. Launch **Console** of **ZWCAD Network License Server**
   Get the 8-digit Serial Number from the Console.
2. Contact your local dealer where you purchased ZWCAD. Ask for the License Code for ZWCAD 2008i with the Serial Number.
3. Launch Console and fill in the License Code. Click **Register** to complete registration. Then click **Start** to enable the network serving. **Clients** can now get authorization automatically from the **server**.

License dialog box

Fill in the License Code



Console of ZWCAD Network License Server

Upgrade....

6 Upgrade

Policies

For ZWCAD 2008 Users:

ZWCAD 2008i and ZWCAD 2008 share the same License Code. Authorized ZWCAD 2008 users could register ZWCAD 2008i using original License Code. No additional fee is required.

For Other Version Users:

1. **No Need to Change Dongle**
   You can upgrade to ZWCAD 2008i without changing your dongle hardware. The following are the details for different versions based on authorization methods:

- **For the Network Version, you should upgrade ZWCAD Network License Server and register again with the new License Code for ZWCAD 2008i.**
- **For the Stand-Alone Version, just register with the new License Code for ZWCAD 2008i.**

2. **Upgrade Optional**
   Upgrading to this ZWCAD update is entirely optional. If you would prefer not to upgrade to ZWCAD 2008i immediately, you can continue using your old version.

3. **Uniform Fee**
   You can upgrade to ZWCAD 2008i directly for a uniform fee no matter which version you have been using. For example, fees for upgrade from ZWCAD 2005 to ZWCAD 2008i are the same as from ZWCAD 2007 to ZWCAD 2008i.However, there may not be update patches for old versions as future updates are released.

Service & Support

7 Service & Support

We offer basic Technical Support for FREE to all purchases of ZWCAD programs and for those who are using ZWCAD's free 30-day trial. Questions can be emailed or faxed to our Technical Support center. We will respond to you within 3 working days via email, phone or fax. Some local distributors may offer more value added technical support and services.

ZWCAD provides several channels for technical support:

- **Technical Mailbox: tech@zwcad.com**
  Please describe your technical problem in detail and attach any relevant information, and we will respond to you in three working days after receiving your email.
- **Instant Messenger: MSN: tech_zw@hotmail.com Skype: tech_zw**
  Live IM support is available from 8:30a.m. to 5:30 p.m. GMT+8.
- **Chat on zwcad.org: Technical Live Support**
  First go to www.zwcad.org, and click the icon for Technical Live Support to chat with a ZWCAD technician, available from 8:30a.m. to 5:30 p.m. GMT+8. After hours, you can leave a message and our staff will answer your questions on the next working day.

Service & Support

Service & Support

- **Support Requests:**
  Submit a request through our pre-formatted questionnaire at www.zwcad.org/SupportRequest.asp . A supportengineer will reply to you within two working days.

- **Help Forum:**
  ZWCAD hosts an online discussion group at our website. Visit www.zwcad.org/forum/default.asp to ask questions or share your expertise in ZWCAD.

- **More Information:**
  Consult the SUPPORT section of the ZWCAD website to get more information, such as Demonstration,Documentation, FAQ, and so on.

- **Contact Your Local Support Provider**
  Expert technical support is also available from ZWCAD Authorized Agents and Resellers. You can contact local support by phone. Find the reseller nearest you at the ZWCAD website, www.zwcad.org.

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